

## **ABSTRACT**

- 5 A refrigeration process comprising, compressing low pressure vapor refrigerant to a higher temperature and pressure vapor, condensing the higher pressure vapor refrigerant into a liquid refrigerant at the higher pressure, thermally-isolating the higher pressure liquid, cooling the thermally-isolated liquid refrigerant while remaining thermally-isolated and then allowing
- 10 thermal contact of the remaining low temperature and pressure liquid and a cooled substance causing the low temperature and pressure liquid to further reversibly boil to a vapor at the low pressure.

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